

[illegible]

Candidate Practices - Physical Effects		State: OHIO		MLRA / CRA: Statewide		Page 1 of 2	
Land Use: Cropland				Location Area: Statewide			
Template Label: Crop, 6-15%, Animal Prod				Benchmark System Description			
System Name/Phrase:		Crop Manure Application		Cropland is used for grain and forage production. Some crops are no tilled and some crops are mulch tilled. Sheet and rill erosion is a concern as well as concentrated flow (ephemeral) erosion. Soil tests are not taken on a regular basis, generally nutrients are over applied. Manure is applied at unknown rates and nutrient credit are not given for manure. Sediment, nutrients, and pesticides are water quality concerns in the area.			
Resource Concerns >		Soil Erosion; Sheet & Rill	Soil Erosion; Concentrated Flow	Water Quality, Surface Water; Pesticides, Nutrients, Organics, Sediment	Plants, Cropland Productivity	0	0
Candidate Practices ST=Short Term LT=Long Term							
Conservation Crop Rotation - 328	ST	SI to Sig Decrease	Situational	SI to Mod Decrease	SI to Mod Decrease		
	LT	SI to Sig Decrease	Situational	Mod to Sig Decrease	SI to Mod Decrease		
Cover & Green Manure Crop - 340	ST	SI to Mod Decrease	SI Decrease	Mod to Sig Decrease	SI Decrease		
	LT	SI to Mod Decrease	SI Decrease	Mod to Sig Decrease	SI Decrease		
Contour Buffer Strips - 332	ST	SI to Sig Decrease	SI Decrease	Mod to Sig Decrease	SI Decrease		
	LT	SI to Sig Decrease	SI to Sig Decrease	Mod to Sig Decrease	SI Decrease		
Contour Farming - 330	ST	SI to Mod Decrease	SI Decrease	Mod to Sig Decrease	SI Decrease		
	LT	SI to Mod Decrease	SI to Sig Decrease	Mod to Sig Decrease	SI Decrease		
Filter Strip - 393A	ST	N/A	Insignificant	Sig Decrease	N/A		
	LT	N/A	Insignificant	Sig Decrease	N/A		
Nutrient Management - 590	ST	Facilitating	N/A	Sig Decrease	N/A		
	LT	Facilitating	N/A	Sig Decrease	N/A		
Pest Management - 595	ST	N/A	N/A	Sig Decrease	SI to Sig Decrease		
	LT	N/A	N/A	Sig Decrease	SI to Sig Decrease		
Residue Management, Mulch till - 329B	ST	SI to Sig Decrease	SI Decrease	Sig Decrease	SI to Sig Decrease		
	LT	SI to Sig Decrease	SI Decrease	Sig Decrease	SI to Sig Decrease		
Residue Management, No-till & Strip Till - 329A	ST	SI to Sig Decrease	SI Decrease	Sig Decrease	SI to Sig Decrease		
	LT	SI to Sig Decrease	SI Decrease	Sig Decrease	SI to Sig Decrease		
Grassed Waterway - 412	ST	N/A	Sig Decrease	Mod Decrease	N/A		
	LT	N/A	Sig Decrease	Mod Decrease	N/A		
Waste Utilization - 633	ST	N/A	N/A	Sig Decrease	N/A		
	LT	N/A	N/A	Sig Decrease	N/A		
	0 ST						
	LT						
	0 ST						
	LT						
	0 ST						
	LT						
	0 ST						
	LT						

Candidate Practices - Physical Effects		State: OHIO		MLRA / CRA: Statewide		Page 2 of 2	
Land Use: Cropland		Location Area: Statewide					
Template Label: Crop, 6-15%, Animal Prod		Benchmark System Description					
System Name/Phrase: Crop Manure Application		Cropland is used for grain and forage production. Some crops are no tilled and some crops are mulch tilled. Sheet and rill erosion is a concern as well as concentrated flow (ephemeral) erosion. Soil tests are not taken on a regular basis, generally nutrients are over applied. Manure is applied at unknown rates and nutrient credit are not given for manure. Sediment, nutrients, and pesticides are water quality concerns in the area.					
Resource Concerns >		0	0	0	0	0	0
Candidate Practices							
ST=Short Term LT=Long Term							
Conservation Crop Rotation - 328	ST						
	LT						
Cover & Green Manure Crop - 340	ST					#N/A	
	LT					#N/A	
Contour Buffer Strips - 332	ST						
	LT						
Contour Farming - 330	ST						
	LT						
Filter Strip - 393A	ST						
	LT						
Nutrient Management - 590	ST						
	LT						
Pest Management - 595	ST						
	LT						
Residue Management, Mulch till - 329B	ST						
	LT						
Residue Management, No-till & Strip Till - 329A	ST						
	LT						
Grassed Waterway - 412	ST						
	LT						
Waste Utilization - 633	ST						
	LT						
	0 ST						
	LT						
	0 ST						
	LT						
	0 ST						
	LT						
	0 ST						
	LT						

Resource Management System #1			State: OHIO		MLRA / CRA: Statewide		Page 1 of 2	
Land Use: Cropland		Alternative Resource Management System #1 Narrative Description						
Template Label: Crop 6-15% High Treatment		The crops will be established using a no till system to address the sheet and rill soil erosion. Grassed waterways will be used to address the concentrated flow erosion. A green manure crop or forage crop will be established after wheat harvest to take up nitrogen applied via summer manure application. Manure will be analyzed for nutrient content and applied a times, rates, and methods to utilize nutrients and minimize runoff. Nutrient and pest management along with filter strips adjacent to the streams will be applied to better meet crop needs and minimize nutrient and pesticide runoff.						
System Name/Phrase RMS #1 High Treatment								
Resource Concerns >		Soil Erosion; Sheet & Rill	Soil Erosion; Concentrated Flow	Water Quality, Surface Water; Pesticides, Nutrients, Organics, Sediment	Plants, Cropland Productivity	0	0	
Candidate Practices ST=Short Term LT=Long Term								
Conservation Crop Rotation - 328	ST	+1 to +3	+/-	+1 to +2	+1 to +2	0	0	0
	LT	+1 to +3	+/-	+2 to +3	+1 to +2	0	0	0
Cover & Green Manure Crop - 340	ST	+1 to +2	+1	+2 to +3	+1	0	0	0
	LT	+1 to +2	+1	+2 to +3	+1	0	0	0
Filter Strip - 393A	ST	N/A	0	+3	N/A	0	0	0
	LT	N/A	0	+3	N/A	0	0	0
Nutrient Management - 590	ST	+	N/A	+3	N/A	0	0	0
	LT	+	N/A	+3	N/A	0	0	0
Pest Management - 595	ST	N/A	N/A	+3	+1 to +3	0	0	0
	LT	N/A	N/A	+3	+1 to +3	0	0	0
Residue Management, No-till & Strip Till - 329A	ST	+3	+1	+3	+1 to +3	0	0	0
	LT	+3	+1	+3	+1 to +3	0	0	0
Grassed Waterway - 412	ST	N/A	+3	+2	N/A	0	0	0
	LT	N/A	+3	+2	N/A	0	0	0
Waste Utilization - 633	ST	N/A	N/A	+3	N/A	0	0	0
	LT	N/A	N/A	+3	N/A	0	0	0
	ST	0	0	0	0	0	0	0
	LT	0	0	0	0	0	0	0
	ST	0	0	0	0	0	0	0
	LT	0	0	0	0	0	0	0
	ST	0	0	0	0	0	0	0
	LT	0	0	0	0	0	0	0
	ST	0	0	0	0	0	0	0
	LT	0	0	0	0	0	0	0

Resource Management System #1		State: OHIO		MLRA / CRA: Statewide		Page 2 of 2	
				Location Area: Statewide			
Land Use: Cropland		Alternative Resource Management System #1 Narrative Description The crops will be established using a no till system to address the sheet and rill soil erosion. Grassed waterways will be used to address the concentrated flow erosion. A green manure crop or forage crop will be established after wheat harvest to take up nitrogen applied via summer manure application. Manure will be analyzed for nutrient content and applied a times, rates, and methods to utilize nutrients and minimize runoff. Nutrient and pest management along with filter strips adjacent to the streams will be applied to better meet crop needs and minimize nutrient and pesticide runoff.					
Template Label: Crop 6-15% High Treatment							
System Name/Phrase: RMS #1 High Treatment							
Resource Concerns >		0	0	0	0	0	
Candidate Practices							
ST=Short Term LT=Long Term							
Conservation Crop Rotation - 328	ST	0	0	0	0	0	
	LT	0	0	0	0	0	
Cover & Green Manure Crop - 340	ST	0	0	0	0	0	
	LT	0	0	0	0	0	
Filter Strip - 393A	ST	0	0	0	0	0	
	LT	0	0	0	0	0	
Nutrient Management - 590	ST	0	0	0	0	0	
	LT	0	0	0	0	0	
Pest Management - 595	ST	0	0	0	0	0	
	LT	0	0	0	0	0	
Residue Management, No-till & Strip Till - 329A	ST	0	0	0	0	0	
	LT	0	0	0	0	0	
Grassed Waterway - 412	ST	0	0	0	0	0	
	LT	0	0	0	0	0	
Waste Utilization - 633	ST	0	0	0	0	0	
	LT	0	0	0	0	0	
	ST	0	0	0	0	0	
	LT	0	0	0	0	0	
	ST	0	0	0	0	0	
	LT	0	0	0	0	0	
	ST	0	0	0	0	0	
	LT	0	0	0	0	0	

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Resource Management System #3		State: OHIO		MLRA / CRA: Statewide		Page 1 of 2	
				Location Area: Statewide			
Land Use: Cropland		Alternative Resource Management System #3 Narrative Description					
		The crops will be established using a no till system to address the sheet and rill soil erosion. Grassed waterways will be used to address the concentrated flow erosion. Manure will be analyzed for nutrient content and applied a times, rates, and methods to utilize nutrients and minimze runoff. Nutrient and pest management will be applied to better meet crop needs and minimize nutrient and pesticide runoff.					
Template Label: Crop, 6-15%, SL, Low Treatment							
System Name/Phrase		RMS #3 Low Treatment					
Resource Concerns >		Soil Erosion; Sheet & Rill	Soil Erosion; Concentrated Flow	Water Quality, Surface Water; Pesticides, Nutrients, Organics, Sediment	Plants, Cropland Productivity	0	0
Candidate Practices ST=Short Term LT=Long Term							
Conservation Crop Rotation - 328	ST	+1 to +3	+/-	+1 to +2	+1 to +2	0	0
	LT	+1 to +3	+/-	+2 to +3	+1 to +2	0	0
Nutrient Management - 590	ST	+1 to +3	+1	+3	+1 to +3	0	0
	LT	+1 to +3	+1	+3	+1 to +3	0	0
Pest Management - 595	ST	N/A	+3	+2	N/A	0	0
	LT	N/A	+3	+2	N/A	0	0
Residue Management, No-till & Strip Till - 329A	ST	N/A	N/A	+3	N/A	0	0
	LT	N/A	N/A	+3	N/A	0	0
Grassed Waterway - 412	ST	N/A	+3	+1	+	0	0
	LT	N/A	+3	+1	+	0	0
Waste Utilization - 633	ST	0	N/A	+2	+1	0	0
	LT	0	N/A	+2	+1	0	0
0	ST	0	0	0	0	0	0
	LT	0	0	0	0	0	0
0	ST	0	0	0	0	0	0
	LT	0	0	0	0	0	0
0	ST	0	0	0	0	0	0
	LT	0	0	0	0	0	0
0	ST	0	0	0	0	0	0
	LT	0	0	0	0	0	0
0	ST	0	0	0	0	0	0
	LT	0	0	0	0	0	0
0	ST	0	0	0	0	0	0
	LT	0	0	0	0	0	0
0	ST	0	0	0	0	0	0
	LT	0	0	0	0	0	0

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